



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: July 17, 2012

RE: Mid-Continent Coal & Coke Company / 089-31998-00173

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPER-MOD.dot 12/3/07



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Indianapolis, Indiana 46204-2251  
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Mr. Carl Horst, Manager of Operations, Chicago District  
Mid-Continent Coal & Coke Company  
915 W. 175th Street  
Homewood, IL 60430

July 17, 2012

Re: 089-31998-00173  
Minor Source Modification to:  
Administrative Part 70 Permit (Renewal) No.: T089-29400-00173

Dear Mr. Horst:

Mid-Continent Coal & Coke Company was issued Administrative Part 70 operating permit renewal no. T089-29400-00173 on March April 20, 2011 for a stationary coke screening operation. An application to modify the source was received on June 8, 2012. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

- (a) One self-contained screening operation, permitted in 2012, with a maximum annual capacity of 300,000 tons of coke or coal, including of the following:
  - (1) one (1) feed hopper, identified as Hp-P1;
  - (2) one (1) conveyor, identified as Cv-P1-3; and
  - (3) one (1) screen for processing, identified as Sc-P1.

The following construction conditions are applicable to the proposed project:

### General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

The source may begin construction when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-12. Operation is not approved until the significant permit modification has been issued.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-0868 or toll free at 1-800-451-6027 extension 3-0868.

Sincerely,



Chrystal Wagner, Section Chief  
Permits Branch  
Office of Air Quality

Attachments

mdm

cc: File - Lake County  
Lake Health Department  
Compliance and Enforcement Branch



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## Minor Source Modification to a Part 70 Source OFFICE OF AIR QUALITY

**Mid-Continent Coal & Coke Company  
One North Broadway  
Gary, Indiana 46402**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Minor Source Modification No.: T089-31998-00173	
Issued by:  Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 17, 2012

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Quarterly Report

Quarterly Deviation and Compliance Monitoring Report

Attachment A - Fugitive Dust Control Plan

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.3 through A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

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The Permittee owns and operates a stationary coke screening operation.

Source Address:	One North Broadway, Gary, Indiana 46402
General Source Phone Number:	708-798-1110
SIC Code:	5052
County Location:	Lake
Source Location Status:	Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

### A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

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US Steel - Gary Works is an integrated steel mill that consists of a main mill and an on-site contractor:

- (a) US Steel - Gary Works, 089-00121, the primary operation, is located at One North Broadway, Gary, IN 46402; and
- (b) Mid-Continent Coal & Coke Company, 089-00173, the on-site contractor, is located at One North Broadway, Gary, IN 46402.

Separate Part 70 permits have been issued to US Steel - Gary Works, Source ID No.089-00121, and Mid-Continent Coal & Coke Company, Source ID No. 089-00173, solely for administrative purposes.

### A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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Mid-Continent Coal & Coke Company consists of the following:

- (a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, with a maximum capacity of 50 tons per hour of coke or coal, consisting of the following:
  - (1) one (1) feed hopper;
  - (2) eight (8) conveyors;
  - (3) one (1) vibrator screen for processing;
  - (4) one and one-half (1.5) acre of coke storage piles with throughput of 40,838 tons per year; and
  - (5) Caterpillar wheel loaders with each having a minimum of a four (4) cubic yard bucket and a vehicle weight of 29,657 lbs traveling on paved and unpaved roads.

Based on calculations, use of any larger capacity wheel loader would be acceptable, since it would reduce vehicle miles traveled and fugitive emissions.

- (b) One (1) re-screening operation, identified as Plant No. 2, constructed in 1981, with a maximum capacity of 96.25 tons per hour of coke, consisting of the following equipment:
- (1) one (1) feed hopper;
  - (2) fourteen (14) conveyors;
  - (3) two (2) pep screens;
  - (4) one (1) triple deck vibrator screen;
  - (5) four (4) acres of coke storage piles with a throughput of 184,800 tons per year; and
  - (6) Caterpillar wheel loaders with each having a minimum of a four (4) cubic yard bucket and a vehicle weight of 29,657 lbs traveling on paved and unpaved roads. Based on calculations, use of any larger capacity wheel loader would be acceptable, since it would reduce vehicle miles traveled and fugitive emissions.
- (c) Fugitive Dust Sources consisting of, but not limited to, the following:
- (1) Paved Roads and Parking Lots
  - (2) Unpaved Roads and Parking Lots
  - (3) Batch Transfer-Loading and Unloading Operations
  - (4) Continuous Transfer In and Out of Storage Piles
  - (5) Batch Transfer Operations-Slag and Kish Handling
  - (6) Wind Erosion from Storage Piles and Open Areas
  - (7) In Plant Transfer by Truck or Rail
  - (8) In Plant Transfer by Front End Loader or Skip Hoist
  - (9) Material Processing Facility (except Crusher Fugitive Emissions)
  - (10) Crusher Fugitive Emissions
  - (11) Material Processing Facility Building Openings
  - (12) Dust Handling Equipment
- (d) One (1) stacking conveyor with attached feed hopper for storage piling and transportation equipment loading, identified as CS-01, approved for construction in 2007, with a maximum throughput of 200 tons per hour, powered by a 90 HP generator (Gen1), with particulate emissions controlled by periodic watering of piles, and exhausting to the atmosphere.
- (e) One self-contained screening operation, permitted in 2012, with a maximum annual capacity of 300,000 tons of coke or coal, including of the following:

- (1) one (1) feed hopper, identified as Hp-P1;
- (2) one (1) conveyor, identified as Cv-P1-3; and
- (3) one (1) screen for processing, identified as Sc-P1.

A.4 Specifically Regulated Insignificant Activities  
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

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This stationary source have following insignificant activities, as defined in 326 IAC 2-7-1(21), that have applicable requirements:

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-10-3]
- (b) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. [326 IAC 8-9-6]

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-7-1]

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Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

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- (a) This permit, T089-29400-00173, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

### B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.5 Severability [326 IAC 2-7-5(5)]

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The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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This permit does not convey any property rights of any sort or any exclusive privilege.

### B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

### B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and
  - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
  - (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

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- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The

PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or  
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)  
Facsimile Number: 317-233-6865  
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;

- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable

requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T089-29400-00173 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the

document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]**

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- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

**B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]**

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- (a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

**B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
  - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

**B.20 Source Modification Requirement [326 IAC 2-7-10.5]**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

**B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]**

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### C.1 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

#### C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

#### C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

#### C.4 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

#### C.5 Fugitive Particulate Matter Emissions [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) Material processing facilities shall include the following:
  - (1) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
  - (2) The PM<sub>10</sub> emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (3) The PM<sub>10</sub> stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (4) The opacity of fugitive particulate emissions from the material processing facilities, except a crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.
  - (5) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).
- (i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (j) Material transfer limits shall be as follows:
  - (1) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
  - (2) Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%), three (3) minute average.
  - (3) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:
    - (A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.
    - (B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-7-6(1)]**

#### **C.7 Performance Testing [326 IAC 3-6]**

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

#### **C.8 Compliance Requirements [326 IAC 2-1.1-11]**

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

### **Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]**

#### **C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]**

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Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

**C.10 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

**Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]**

**C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.12 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]**

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

**C.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]**

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Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

- (1) initial inspection and evaluation;
  - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);  
or
  - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
- (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

**C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]**

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-50 IGCN 1003  
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]  
[326 IAC 2-2][326 IAC 2-3]

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
  - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
  - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1

(qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.18 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

## SECTION D.1 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

- (a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, with a maximum capacity of 50 tons per hour of coke or coal, consisting of the following:
  - (1) one (1) feed hopper;
  - (2) eight (8) conveyors;
  - (3) one (1) vibrator screen for processing;
  - (4) one and one-half (1.5) acre of coke storage piles with throughput of 40,838 tons per year; and
  - (5) Caterpillar wheel loaders with each having a minimum of a four (4) cubic yard bucket and a vehicle weight of 29,657 lbs traveling on paved and unpaved roads. Based on calculations, use of any larger capacity wheel loader would be acceptable, since it would reduce vehicle miles traveled and fugitive emissions.
  
- (b) One (1) re-screening operation, identified as Plant No. 2, constructed in 1981, with a maximum capacity of 96.25 tons per hour of coke, consisting of the following equipment:
  - (1) one (1) feed hopper;
  - (2) fourteen (14) conveyors;
  - (3) two (2) pep screens;
  - (4) one (1) triple deck vibrator screen;
  - (5) four (4) acres of coke storage piles with a throughput of 184,800 tons per year; and
  - (6) Caterpillar wheel loaders with each having a minimum of a four (4) cubic yard bucket and a vehicle weight of 29,657 lbs traveling on paved and unpaved roads. Based on calculations, use of any larger capacity wheel loader would be acceptable, since it would reduce vehicle miles traveled and fugitive emissions.
  
- (c) Fugitive Dust Sources consisting of, but not limited to, the following:
  - (1) Paved Roads and Parking Lots
  - (2) Unpaved Roads and Parking Lots
  - (3) Batch Transfer-Loading and Unloading Operations
  - (4) Continuous Transfer In and Out of Storage Piles
  - (5) Batch Transfer Operations-Slag and Kish Handling
  - (6) Wind Erosion from Storage Piles and Open Areas
  - (7) In Plant Transfer by Truck or Rail
  - (8) In Plant Transfer by Front End Loader or Skip Hoist

- (9) Material Processing Facility (except Crusher Fugitive Emissions)
  - (10) Crusher Fugitive Emissions
  - (11) Material Processing Facility Building Openings
  - (12) Dust Handling Equipment
- (d) One (1) stacking conveyor with attached feed hopper for storage piling and transportation equipment loading, identified as CS-01, approved for construction in 2007, with a maximum throughput of 200 tons per hour, powered by a 90 HP generator (Gen1), with particulate emissions controlled by periodic watering of piles, and exhausting to the atmosphere.
- (e) One self-contained screening operation, permitted in 2012, with a maximum annual capacity of 300,000 tons of coke or coal, including of the following:
- (1) one (1) feed hopper, identified as Hp-P1;
  - (2) one (1) conveyor, identified as Cv-P1-3; and
  - (3) one (1) screen for processing, identified as Sc-P1.
- (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

**D.1.1 PSD and Nonattainment NSR Minor Limits [326 IAC 2-2] [326 IAC 2-1.1-5]**

- (a) Pursuant to Significant Permit Modification 057-25334-00002, issued on September 2, 2008, the coke and/or coal throughput to the one (1) re-screening operation, identified as Plant No. 1, shall be limited to less than 360,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) Pursuant to Significant Permit Modification 057-25334-00002, issued on September 2, 2008, the coke and/or coal throughput to the one (1) re-screening operation, identified as Plant No. 2, shall be limited to less than 360,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (c) The particulate limitations shall be as follows:

Equipment/Operation	PM (lb/ton of material throughput)	PM10 (lb/ton of material throughput)	Direct PM2.5 (lb/ton of material throughput)
Unloading coke and/or coal	0.0001	0.0001	0.0
Screening	0.025	0.0087	0.0
Conveying	0.026	0.013	0.0046
Loading coke and/or coal	0.0088	0.0043	0.0016

Compliance with the above limits shall limit the PM emissions from the entire source to less than 25 tons and the PM10 emissions from the entire source to less than 15 tons per twelve (12)

consecutive month period and render the requirements of 326 IAC 2-2 not applicable to Significant Permit Modification 057-25334-00002.

Compliance with the above limits shall limit the Direct PM2.5 emissions from the entire source to less than 10 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-1.1-5 not applicable to Significant Permit Modification 057-25334-00002.

**D.1.2 PSD Minor Limits [326 IAC 2-2]**

(a) The coke throughput to the screening operation Sc-P1 shall be limited to less than 300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The particulate limitations shall be as follows:

Equipment/Operation	PM (lb/ton of coke throughput)	PM10 (lb/ton of coke throughput)	Direct PM2.5 (lb/ton of coke throughput)
Unloading coke and/or coal	0.0001	0.0001	0.0
Screening	0.025	0.0087	0.0
Conveying	0.026	0.013	0.0046
Loading coke and/or coal	0.0088	0.0043	0.0016

Compliance with the limits in (a) and (b) above shall limit the PM emissions from this modification to less than 25 tons, the PM-10 emissions to less than 15 tons, and PM2.5 emissions to less than 10 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-2 not applicable.

**D.1.3 326 IAC 6.8-1-2 (Particulate Emission Limitations for Lake County)**

Pursuant to 326 IAC 6.8-1-2(a), particulate matter (PM) from the screening operations at this source shall not exceed three-hundredths (0.03) grain per dry cubic foot (dscf).

**D.1.4 Fugitive Dust Emission Limitations [326 IAC 6-4-2] [326 IAC 6.8-10-3]**

(a) Pursuant to 326 IAC 6-4-2:

(1) The Plant No. 1: feeder hopper, conveyers, and vibrator screen, Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screens and stacking conveyor CS-01, screen Sc-P1, hopper Hp-P1, and conveyor Cv-P1-3 generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:

(A) A source or combination of sources which cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = \frac{100 (R - U)}{U}$$

Where

P = Percentage increase

R = Number of particles of fugitive dust measured at downward receptor site

U = Number of particles of fugitive dust measured at upwind or background site

- (B) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$PR = (1.5 \pm N) P$$

Where

N = Fraction of fugitive dust that is respirable dust;

PR = allowable percentage increase in dust concentration above background; and

P = no value greater than sixty-seven percent (67%).

- (C) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.
- (D) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.
- (2) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.
- (b) Pursuant to 326 IAC 6.8-10-3, Particulate Matter Emissions Limitations, fugitive emissions from the Plant No. 1: feeder hopper, conveyers, and vibrator screen, Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen and stacking conveyor CS-01, screen Sc-P1, hopper Hp-P1, and conveyor Cv-P1-3 generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

#### D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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A Preventative Maintenance Plan is required for the screens and conveyors. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

### **Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

#### D.1.6 Visible Emissions Notations

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- (a) Visible emission notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen, stacking conveyor CS-01, screen Sc-P1, hopper Hp-P1, and conveyor Cv-P1-3 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

### **Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### **D.1.7 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen, stacking conveyor CS-01, screen Sc-P1, hopper Hp-P1, and conveyor Cv-P1-3. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

#### **D.1.8 Reporting Requirements**

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A monthly summary of the information to document the compliance status with Conditions D.1.1 and D.1.2 shall be submitted quarterly to the address listed in Section C - General Reporting Requirements, of this permit using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

This raw material segregation of metallurgical coke and coal operation also includes the following specifically regulated insignificant activities as defined in 326 IAC 2-7-1(21).

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-10-3]
- (b) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. [326 IAC 8-9-6]

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5]

#### D.2.1 Fugitive Dust Emission Limitations [326 IAC 6-4-2] [326 IAC 6.8-10-3]

(a) Pursuant to 326 IAC 6-4-2:

- (1) The brazing equipment, cutting torches, soldering equipment, and welding equipment generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:

- (A) A source or combination of sources which cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = \frac{100(R - U)}{U}$$

Where

P = Percentage increase

R = Number of particles of fugitive dust measured at downward receptor site

U = Number of particles of fugitive dust measured at upwind or background site

- (B) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$PR = (1.5 \pm N) P$$

Where

N = Fraction of fugitive dust that is respirable dust;

PR = allowable percentage increase in dust concentration above background; and

P = no value greater than sixty-seven percent (67%).

- (C) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.

- (D) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.
- (2) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.
- (b) Pursuant to 326 IAC 6.8-10-3, Lake County Fugitive Particulate Matter Emissions Limitations, fugitive emissions from the brazing equipment, cutting torches, soldering equipment, and welding equipment generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

D.2.2 Volatile Organic Liquid Storage Vessels Record keeping and reporting requirements [326 IAC 8-9-6]

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Pursuant to 326 IAC 8-9-6 (a) and (b), the Permittee shall maintain the following records for the life of the stationary storage vessels and submit a report to IDEM, OAQ containing the following for each vessel:

- (1) The vessel identification number,
- (2) The vessel dimensions, and
- (3) The vessel capacity.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Mid-Continent Coal & Coke Company  
Source Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-29400-00173

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: (317) 233-0178  
Fax: (317) 233-6865**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Mid-Continent Coal & Coke Company  
Source Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-29400-00173

**This form consists of 2 pages**

**Page 1 of 2**

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
  - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

**Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

### Part 70 Quarterly Report

Source Name: Mid-Continent Coal & Coke Company  
Source Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-29400-00173  
Facility: Plant #1  
Parameter: Throughput of coke/coal processed  
Limit: Less than 360,000 tons of iron per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1 (coke throughput)	Column 2 (coke throughput)	Column 1 + Column 2 (coke throughput)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.  
Deviation has been reported on:

Submitted by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

### Part 70 Quarterly Report

Source Name: Mid-Continent Coal & Coke Company  
Source Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-29400-00173  
Facility: Plant #2  
Parameter: Throughput of coke/coal processed  
Limit: Less than 360,000 tons of iron per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1 (coke throughput)	Column 2 (coke throughput)	Column 1 + Column 2 (coke throughput)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on:

Submitted by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

### Part 70 Quarterly Report

Source Name: Mid-Continent Coal & Coke Company  
Source Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-29400-00173  
Facility: Screening Operation Sc-P1  
Parameter: Throughput of coke  
Limit: Less than 300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1 (coke throughput)	Column 2 (coke throughput)	Column 1 + Column 2 (coke throughput)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.  
Deviation has been reported on:

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Mid-Continent Coal & Coke Company  
Source Address: One North Broadway, Gary, Indiana 46402  
Part 70 Permit No.: T089-29400-00173

**Months:** \_\_\_\_\_ **to** \_\_\_\_\_ **Year:** \_\_\_\_\_

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<p><input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**Indiana Department of Environmental Management  
Office of Air Quality**

**Technical Support Document (TSD) for a Part 70  
Minor Source and Significant Permit Modification**

**Source Description and Location**

Source Name:	Mid-Continent Coal & Coke Company
Source Location:	One North Broadway, Gary, IN 46402
County:	Lake
SIC Code:	5052
Administrative Permit Renewal No:	T089-29400-00173
Issuance Date:	April 20, 2011
Minor Source Modification No.:	089-31998-00173
Significant Permit Modification No.:	089-32065-00173
Permit Reviewer:	Madhurima Moulik

**Source Definition**

US Steel - Gary Works is an integrated steel mill that consists of a main mill and an on-site contractor:

- (a) US Steel - Gary Works, the primary operation, is located at One North Broadway, Gary, IN 46402; and
- (b) Mid-Continent Coal & Coke Company, the supporting operation, is located at One North Broadway, Gary, IN 46402.

US Steel - Gary Works (089-00121) and Mid-Continent Coal & Coke Company (089-00173) are under the common control of US Steel - Gary Works. Therefore, these two plants are considered one source, as defined by 326 IAC 2-7-1(22), based on this contractual control. The term "source" in the Part 70 documents refers to both US Steel - Gary Works (089-00121) and Mid-Continent Coal & Coke Company (089-00173) as one source. This conclusion was initially determined under Part 70 Operating Permit T089-8064-00173, issued on June 30, 2006.

Separate Part 70 Operating permits have been issued to US Steel - Gary Works (089-00121) and Mid-Continent Coal & Coke Company (089-00173) solely for administrative purposes.

**Existing Approvals**

The source was issued Administrative Part 70 Operating Permit No. (1st Renewal) No. T 039-29400-00173 on April 20, 2011.

**County Attainment Status**

The source is located in Lake County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148 <sup>th</sup> Street, if extended, on the south; and Euclid Avenue on the east.

Pollutant	Designation
	Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O <sub>3</sub>	Attainment effective May 11, 2010, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area for the 1-hour ozone standard which was revoked effective June 15, 2005. <b>Effective July 20, 2012, U. S. EPA has designated Lake County as nonattainment for the 8-hr ozone standard.</b> Unclassifiable or attainment effective February 6, 2012, for PM <sub>2.5</sub> .	

- (a) **Ozone Standards**  
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Lake County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM<sub>2.5</sub>**  
 Lake County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct PM<sub>2.5</sub> significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct PM<sub>2.5</sub> and SO<sub>2</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**  
 Lake County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

**Fugitive Emissions**

Since this source is classified as an iron and steel plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

**Source Status**

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (ton/yr)
PM	>100
PM <sub>10</sub>	>100
PM <sub>2.5</sub>	>100
SO <sub>2</sub>	>100
VOC	>100
CO	>100
NO <sub>x</sub>	>100
HAPs	>10/25

- (a) This existing source (US Steel - Gary Works, Plant ID 089-00121) is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).
- (d) These emissions are based upon the Technical Support Document for MPM No. 089-30266-00121 issued to US Steel - Gary Works on July 26, 2011.

#### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Mid-Continent Coal & Coke Company (MCC&C) on June 8, 2012 relating to the installation of a self-contained screening unit. The following is a list of the proposed emission units and pollution control devices:

- (a) One self-contained screening operation, permitted in 2012, with a maximum annual capacity of 300,000 tons of coke or coal, including of the following:
  - (1) one (1) feed hopper, identified as Hp-P1;
  - (2) one (1) conveyor, identified as Cv-P1-3; and
  - (3) one (1) screen for processing, identified as Sc-P1.

#### Enforcement Issues

There are no pending enforcement actions related to this modification.

#### Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

#### Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount

of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

<b>Increase in PTE Before Controls of the Modification</b>	
<b>Pollutant</b>	<b>Potential To Emit (ton/yr)**</b>
PM	10.78
PM <sub>10</sub>	4.69
PM <sub>2.5</sub>	1.12
SO <sub>2</sub>	Negligible
VOC	Negligible
CO	Negligible
NO <sub>x</sub>	Negligible
Single HAPs	Negligible
Total HAPs	Negligible

\*\* Potential to emit is based on limited throughput of 360,000 tons per year of coke, which is an existing enforceable limit in the permit. Permittee has informed IDEM that the proposed screening operation is only to be used as backup.

Appendix A of this TSD reflects the unrestricted potential emissions of the modification.

This source modification is subject to 326 IAC 2-7-10.5(e)(3)(A) because the emissions of PM from this modification are greater than 5 tons per year and less than 25 tons per year. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification because, pursuant to 326 IAC 2-7-12(b)(1)(C)(i), a minor permit modification is not appropriate for a change that involves a case-by-case determination of an emission limitation or standard. The requested modification includes a case-by-case emission limitation under 326 IAC 2-2.

<b>Permit Level Determination – PSD or Emission Offset or Nonattainment NSR</b>
---

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 minor source modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

<b>Process / Emission Unit</b>	<b>Potential to Emit (ton/yr)</b>							
	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub>*</b>	<b>SO<sub>2</sub></b>	<b>VOC</b>	<b>CO</b>	<b>NO<sub>x</sub></b>	<b>GHGs</b>
<b>Unloading Coke</b>	0.02	0.01	0.002	---	---	---	---	---
<b>Screening</b>	3.75	1.31	0.0	--	---	---	---	---
<b>Conveying</b>	3.9	1.95	0.69	---	---	---	---	---
<b>Loading</b>	1.32	0.65	0.24	---	---	---	---	---
<b>Total for Modification</b>	8.99	3.91	0.93	---	---	---	---	---
<b>Significant Level</b>	25	15	10	40	40	100	40	75,000 CO <sub>2</sub> e

\*PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.  
 --- Negligible

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

This modification is in the contemporaneous period for SSM No. 089-28848-00121 issued to U.S. Steel - Gary Works (the primary source) on August 4, 2010. The following table summarizes the emissions increases from all emission units permitted in SSM No. 089-28848-00121 and the proposed emission units in MSM 089-31998-00173.

Process / Emission Unit	Potential to Emit (ton/yr)						
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>
Net Emissions Increase for SSM 089-28848-00121	-213.03	-236.71	-294.50	-36.74	-663.55	-3012.66	-892.79
Emissions increase for MSM 089-31998-00173	8.99	3.91	0.93	---	---	---	---
Updated Net Emissions Increase	-204.04	-232.8	-293.57	-36.74	-663.55	-3012.66	-892.79
Significant Level 326 IAC 2-2 (PSD)	25	15	n/a	40	n/a	100	40

The updated netting analysis demonstrates that there is net emissions decreases in SSM No. 089-28848-00121 (for U. S. Steel - Gary Works), making 326 IAC 2-2 not applicable.

**Federal Rule Applicability Determination**

**NSPS:**

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

**NESHAP:**

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

**State Rule Applicability Determination**

**326 IAC 2-2 (PSD)**

- (a) The coke throughput to the proposed screening operation, identified as Sc-P1 shall be limited to less than 300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The following particulate limits are included to supplement the above material throughput limit:

Equipment/Operation	PM (lb/ton of coke throughput)	PM-10 (lb/ton of coke throughput)	Direct PM-2.5 (lb/ton of coke throughput)
Unloading coke and/or coal	0.0001	0.0001	0.0
Screening	0.025	0.0087	0.0
Conveying	0.026	0.013	0.0046
Loading coke and/or coal	0.0088	0.0043	0.0016

These limits are AP-42 emission factors from Coke Production and material loading and unloading operations (Chapter 12.2 and 13.2.4)

Compliance with the limits in (a) and (b) above shall limit the PM emissions from this modification to less than 25 tons, the PM-10 emissions to less than 15 tons, and PM2.5 emissions to less than 10 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-2 not applicable.

**326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))**

The operation of the proposed screening units will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

**326 IAC 6.8-1-2 (Particulate Emission Limitations for Lake County)**

This source is located in Lake County and the actual PM emissions from this source are greater than ten (10) tons per year. Therefore, facilities not specifically identified in 326 IAC 6.8-2 through 326 IAC 6.8-11, are subject to the requirements of 326 IAC 6.8-1-2. The facility at US Steel - Gary Works or Mid-Continent Coal & Coke is not specifically identified in 326 IAC 6.8-2 through 326 IAC 6.8-11. Therefore, pursuant to 326 IAC 6.8-1-2(a), particulate matter (PM) from the screening operations at this source shall not exceed three-hundredths (0.03) grain per dry cubic foot (dscf).

**326 IAC 6.8-2 (Lake County: PM10 Emission Requirements)**

Pursuant to 326 IAC 6.8-2-1(a), the requirements of 326 IAC 6.8-2 through 326 IAC 6.8-8 apply to the sources, facilities, and operations in Lake County listed in 326 IAC 6.8-2-3 through 326 IAC 6.8-2-38. The facility at US Steel - Gary Works or Mid-Continent Coal and Coke is not specifically listed in 326 IAC 6.8-2-3 through 326 IAC 6.8-2-38. Therefore, the requirements of 326 IAC 6.8-2 through 326 IAC 6.8-8 do not apply to this modification.

**326 IAC 6-4 (Fugitive Dust Emissions)**

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

**326 IAC 6.8-10 (Compliance Requirements: Control Plans)**

The source is subject to 326 IAC 6.8-10 pursuant to 326 IAC 6.8-10-1(2)(U). The Permittee shall comply with the particulate emission limitations specified in 326 IAC 6.8-10-3 (Lake County Fugitive Particulate Matter Control Requirements) using the fugitive dust control plan (FDCCP) submitted on March 1, 2003 and revised on December 27, 2010.

**326 IAC 6.8-11 (Lake County Particulate Matter Contingency Measures)**

The source is subject to 326 IAC 6.8-11 (Lake County Particulate Matter Contingency Measures), because the source has potential PM10 emissions equal to or greater than ten (10) tons per year. Pursuant to this rule, the source shall comply with the requirements of 326 IAC 6.8-11-4 and 326 IAC 6.8-11-6.

**Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds

for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The Compliance Determination Requirements applicable to this modification are as follows:

There are no specific compliance determination requirements applicable to this modification.

The compliance monitoring requirements applicable to this modification are as follows:

The Permittee shall perform daily visible emission notations of the particulate emissions from the proposed screen Sc-P1, the hopper Hp-P1, and the conveyor Cv-P1-3.

This monitoring requirement is necessary to demonstrate compliance with the requirements of 326 IAC 6.8-10-3 limits for the above listed operations.

### Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T 089-29400-00173 Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

- (a) Section A.1 has been modified to update the attainment status of Lake County.
- (b) Section A.3 and D.1 have been modified to include the descriptions of the proposed emission units.
- (c) Condition D.1.1 - PSD and Nonattainment NSR Minor Limits [326 IAC 2-2] [326 IAC 2-1.1-5] has been modified to change the emission factors for PM, PM-10, and PM2.5 emissions for existing Plant 1 and Plant 2. The current emission factors in the permit include account for a 50% particulate control efficiency through wet suppression with no corresponding compliance determination requirement for maintaining a moisture content that would yield the 50% control. The emission factors have been adjusted to the higher uncontrolled emissions in lb/ton (the total PM, PM-10, and PM2.5 emissions from Plants 1 and 2 in addition to other insignificant activities installed in 2008 still remain below the significant levels for a modification to a major source).
- (d) Condition D.2.2 - PSD Minor Limit has been added to include PSD minor limitations for the proposed emission units.
- (e) Condition D.1.4 (now D.1.5) has been modified to include visible emissions notations for the proposed emission units.
- (f) Condition D.1.6 - Recordkeeping Requirements and D.1.7 - reporting Requirements have been modified to include references to the proposed emission units and the new Condition D.1.2.
- (g) A quarterly report form has been added for the throughput limit for the proposed emission units.

#### A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary a coke screening operation.

Source Address:	One North Broadway, Gary, Indiana 46402
General Source Phone Number:	708-798-1110
SIC Code:	5052
County Location:	Lake
Source Location Status:	<del>Nonattainment for PM2.5 standard</del> Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
[326 IAC 2-7-5(15)]

Mid-Continent Coal & Coke Company consists of the following:

- (a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, with a maximum capacity of 50 tons per hour of coke or coal, consisting of the following:  
  
.....
- (d) One (1) stacking conveyor with attached feed hopper for storage piling and transportation equipment loading, identified as CS-01, approved for construction in 2007, with a maximum throughput of 200 tons per hour, powered by a 90 HP generator (Gen1), with particulate emissions controlled by periodic watering of piles, and exhausting to the atmosphere.
- (e) **One self-contained screening operation, permitted in 2012, with a maximum annual capacity of 300,000 tons of coke or coal, including of the following:**
  - (1) **one (1) feed hopper, identified as Hp-P1;**
  - (2) **one (1) conveyor, identified as Cv-P1-3; and**
  - (3) **one (1) screen for processing, identified as Sc-P1.**

SECTION D.1 FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]:**

- (a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, with a maximum capacity of 50 tons per hour of coke or coal, consisting of the following:
  - (1) one (1) feed hopper;
  - (2) eight (8) conveyors;
  - .....
- (d) One (1) stacking conveyor with attached feed hopper for storage piling and transportation equipment loading, identified as CS-01, approved for construction in 2007, with a maximum throughput of 200 tons per hour, powered by a 90 HP generator (Gen1), with particulate emissions controlled by periodic watering of piles, and exhausting to the atmosphere.
- (e) **One self-contained screening operation, permitted in 2012, with a maximum annual capacity of 300,000 tons of coke or coal, including of the following:**
  - (1) **one (1) feed hopper, identified as Hp-P1;**
  - (2) **one (1) conveyor, identified as Cv-P1-3; and**
  - (3) **one (1) screen for processing, identified as Sc-P1.**

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

D.1.1 PSD and Nonattainment NSR Minor Limits [326 IAC 2-2] [326 IAC 2-1.1-5]

- (a) Pursuant to Significant Permit Modification 057-25334-00002, issued on September 2, 2008, the coke and/or coal throughput to the one (1) re-screening operation, identified as Plant No. 1, shall be limited to less than 360,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

- (b) Pursuant to Significant Permit Modification 057-25334-00002, issued on September 2, 2008, the coke and/or coal throughput to the one (1) re-screening operation, identified as Plant No. 2, shall be limited to less than 360,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (c) The particulate limitations shall be as follows:

Equipment/Operation	PM (lb/ton of material throughput)	PM10 (lb/ton of material throughput)	Direct PM2.5 (lb/ton of material throughput)
Unloading coke and/or coal	0.000055	0.000026	0.0000075
Screening	0.0125	0.00435	0.0000005
Conveying	0.013	0.0065	0.0023
Loading coke and/or coal	0.0044	0.00215	0.0008

Equipment/Operation	PM (lb/ton of material throughput)	PM10 (lb/ton of material throughput)	Direct PM2.5 (lb/ton of material throughput)
Unloading coke and/or coal	0.0001	0.0	0.0
Screening	0.025	0.0087	0.0
Conveying	0.026	0.013	0.0046
Loading coke and/or coal	0.0088	0.0043	0.0016

Compliance with the above limits shall limit the PM emissions from the entire source to less than 25 tons and the PM10 emissions from the entire source to less than 15 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-2 not applicable to Significant Permit Modification 057-25334-00002.

Compliance with the above limits shall limit the direct PM2.5 emissions from the entire source to less than 10 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-1.1-5 not applicable to Significant Permit Modification 057-25334-00002.

#### D.1.2 PSD Minor Limits [326 IAC 2-2]

- (a) The coke throughput to the screening operation Sc-P1 shall be limited to less than 300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The particulate limitations shall be as follows:

Equipment/Operation	PM (lb/ton of coke throughput)	PM10 (lb/ton of coke throughput)	Direct PM2.5 (lb/ton of coke throughput)
Unloading coke and/or coal	0.0001	0.0	0.0
Screening	0.025	0.0087	0.0
Conveying	0.026	0.013	0.0046
Loading coke and/or coal	0.0088	0.0043	0.0016

Compliance with the limits in (a) and (b) above shall limit the PM emissions from this modification to less than 25 tons, the PM-10 emissions to less than 15 tons, and PM2.5 emissions to less than 10 tons per twelve (12) consecutive month period and render the

**requirements of 326 IAC 2-2 not applicable.**

**D.1.3 326 IAC 6.8-1-2 (Particulate Emission Limitations for Lake County)**

**Pursuant to 326 IAC 6.8-1-2(a), particulate matter (PM) from the screening operations at this source shall not exceed three-hundredths (0.03) grain per dry cubic foot (dscf).**

**D.1.24 Fugitive Dust Emission Limitations [326 IAC 6-4-2] [326 IAC 6.8-10-3]**

(a) Pursuant to 326 IAC 6-4-2:

(1) The Plant No. 1: feeder hopper, conveyers, and vibrator screen, ~~and~~ Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screens and stacking conveyor CS-01, **screen Sc-P1, hopper Hp-P1, and Conveyor Cv-P1-3** generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:

(A) A source or combination of sources which cause to exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = \frac{100 (R - U)}{U}$$

Where

P = Percentage increase

R = Number of particles of fugitive dust measured at downward receptor site

U = Number of particles of fugitive dust measured at upwind or background site

(B) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$PR = (1.5 \pm N) P$$

Where

N = Fraction of fugitive dust that is respirable dust;

PR = allowable percentage increase in dust concentration above background; and

P = no value greater than sixty-seven percent (67%).

(C) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.

(D) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.

(2) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.

(b) Pursuant to 326 IAC 6.8-10-3, Particulate Matter Emissions Limitations, fugitive emissions from the Plant No. 1: feeder hopper, conveyers, and vibrator screen, ~~and~~ Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen and stacking conveyor CS-01, **screen Sc-P1, hopper Hp-P1, and Conveyor Cv-P1-3** generating

fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

#### D.1.46 Visible Emissions Notations

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- (a) Visible emission notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen, ~~and~~ stacking conveyor CS-01, **screen Sc-P1, hopper Hp-P1, and conveyor Cv-P1-3** shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

#### D.1.7.5 Record Keeping Requirements

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- (a) To document compliance with Condition ~~D.1.4~~ **D.1.6**, the Permittee shall maintain a daily record of visible emission notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen, ~~and~~ stacking conveyor CS-01, **of screen Sc-P1, hopper Hp-P1, and conveyor Cv-P1-3**. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

#### D.1.68 Reporting Requirements

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A monthly summary of the information to document the compliance status with Conditions D.1.1 **and D.1.2** shall be submitted quarterly to the address listed in Section C - General Reporting Requirements, of this permit using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

### Part 70 Quarterly Report

**Source Name:** Mid-Continent Coal & Coke Company  
**Source Address:** One North Broadway, Gary, Indiana 46402  
**Part 70 Permit No.:** T089-29400-00173  
**Facility:** Screening Operation Sc-P1

**Parameter:** Throughput of coke  
**Limit:** Less than 300,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month  
**YEAR:**

Month	Column 1 (coke throughput)	Column 2 (coke throughput)	Column 1 + Column 2 (coke throughput)
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
 Deviation has been reported on:

**Submitted by:**  
**Title / Position:**  
**Signature:**  
**Date:**  
**Phone:**

**Conclusion and Recommendation**

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-31998-00173 and Minor Permit Modification No. 089-32065-00173. The staff recommends to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

**IDEM Contact**

- (a) Questions regarding this proposed permit can be directed to Madhurima Moulik the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-0868 or toll free at 1-800-451-6027 extension 3-0868.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

**TSD Appendix A**

**Emissions Calculations - Screen Sc-P1, Hopper Hp-P1, Conveyor Cv-P1-3**

**Company Name: Mid-Continent Coal and Coke Company**

**Minor Source Modification No.: 089-31998-00173**

**Significant Permit Modification No.: 089-32065-00173**

**Reviewer: Madhurima Moulik**

**Date: July 2, 2012**

Throughput (tons per year)\*\*                      360,000 tons per year

<b>Emission Unit</b>	<b>EF (lb/ton)</b>	<b>PM (tons/yr)</b>	<b>EF (lb/ton)</b>	<b>PM-10 (tons/yr)</b>	<b>EF (lb/ton)</b>	<b>PM2.5 (tons/yr)</b>
Screen Sc-P1	0.0250	<b>4.5000</b>	0.0087	<b>1.5660</b>	0.0000	<b>0.0000</b>
Conveyor (Transfer) Cv-P1-3	0.0260	<b>4.6800</b>	0.0130	<b>2.3400</b>	0.0046	<b>0.8280</b>
Loading	0.0088	<b>1.5840</b>	0.0043	<b>0.7740</b>	0.0016	<b>0.2880</b>
Unloading	0.0001	<b>0.0180</b>	0.0001	<b>0.0094</b>	0.0000	<b>0.0027</b>
<b>Total (tons/yr)</b>		<b>10.78</b>		<b>4.69</b>		<b>1.12</b>

Limited Throughput                                      300,000 tons/yr

<b>Emission Unit</b>	<b>EF (lb/ton)</b>	<b>PM (tons/yr)</b>	<b>EF (lb/ton)</b>	<b>PM-10 (tons/yr)</b>	<b>EF (lb/ton)</b>	<b>PM2.5 (tons/yr)</b>
Screen Sc-P1	0.0250	<b>3.7500</b>	0.0087	<b>1.3050</b>	0.0000	<b>0.0000</b>
Conveyor (Transfer) Cv-P1-3	0.0260	<b>3.9000</b>	0.0130	<b>1.9500</b>	0.0046	<b>0.6900</b>
Loading	0.0088	<b>1.3200</b>	0.0043	<b>0.6450</b>	0.0016	<b>0.2400</b>
Unloading	0.0001	<b>0.0150</b>	0.0001	<b>0.0078</b>	0.0000	<b>0.0023</b>
<b>Total (tons/yr)</b>		<b>8.99</b>		<b>3.91</b>		<b>0.93</b>

\*\* Existing enforceable throughput limit for coke, screening operation is backup for main screening

**Methodology:**

Emission factors for screening based on AP-42 Table 11.19.2-2 (Crushed Stone Processing Operations)

Emission factors for conveyor transfer based on AP-42 Table 12.5-4 (Uncontrolled PM factors for open dust sources at iron and steel mills)

Loading and unloading EF based on AP-42 Table 12.5-4 batch drop (low silt slag) and pile formation (coal)



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

**TO:** Carl Horst  
Mid-Continent Coal and Coke - contractor of USS Ga  
915 W 175th St  
Homewood, IL 60430

**DATE:** July 17, 2012

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Title V MSM  
089-31998-00173

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

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2		Michael A Gratson Michael A Gratson Mid-Continent Coal and Coke - contractor of USS Ga 915 W 175th St Homewood IL 60430 (RO CAATS)									
3		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)									
4		Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)									
5		Mark Coleman 107 Diana Road Portage IN 46368 (Affected Party)									
6		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)									
7		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)									
8		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)									
9		Northwestern In Regional Planning Com (NIRPC) 6100 Southport Road Portage IN 46368 (Affected Party)									
10		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 (Affected Party)									
11		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)									
12		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)									
13		General Manager US Steel One North Broadway Gary IN 46402 (Source ? addl contact)									
14		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)									
15		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)									

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											Remarks
1		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 (Affected Party)									
2		Gary Mayors Office 401 Broadway # 203 Gary IN 46402 (Local Official)									
3		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)									
4		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 (Affected Party)									
5		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)									
6		Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)									
7		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 (Affected Party)									
8		Gitte Laasby Post Tribune 1433 E. 83rd Ave Merrillville IN 46410 (Affected Party)									
9		Susan Severtson City of Gary Law Dept. 401 Broadway 4th Floor Gary IN 46402 (Local Official)									
10		Donald L Taylor Bruce Carter Associates 616 S 4th Street Elkhart IN 46514 (Consultant)									
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